

RE-ESTABLISHMENT OF *ACOURTIA* D. DON (ASTERACEAE)

James L. Reveal and Robert M. King

Department of Botany
National Museum of Natural History
Smithsonian Institution
Washington, D.C. 20560

Comments made to us many years ago by the late Dr. Lloyd H. Shinnars have led us to make a reevaluation of the sectional differences in the genus *Perezia*. Our studies confirm the remarks of Shinnars, and the more recently published views of Vuilleumier (1970), that the North American species of *Perezia*, assigned to the section *Acourtia*, are generically different from those species of the genus found in South America belonging to the typical section. Simpson (née Vuilleumier) has recently confirmed to us her desire to use *Acourtia* for the species she will review in a forthcoming treatment of the tribe Mutisieae for NORTH AMERICAN FLORA covering the geographical area circumscribed by the Flora North America project. We propose here to present a summary of the genus as we understand it, but noting that two species complexes which we feel do not belong to *Acourtia* are in need of additional study. One complex, that centering around *P. runcinata* (Lag. ex D. Don) A. Gray, may be a distinct genus in its own right, with the name *Clarionea* Lag. ex D. Don available for these species. We feel Simpson is in a better position than us to evaluate the merits of *Clarionea* in relationship with other genera, especially those of South America. The second group occurs in Central America, and we will review this assemblage at a later date.

ACOURTIA D. Don, Trans. Linn. Soc. London 16:203. 1830.

Sparingly to few branched herbs or subshrubs; leaves coriaceous, alternate, mostly sessile, generally oblong and broadly cordate-amplexicaul, suborbicular to lance-attenuate, the margin usually spinulose-denticulate to spinulose-dentate. Inflorescence a panicle, corymbose or thysoid cyme; heads 4-60 flowered (mostly 8-15); involucre obconic, turbinate or campanulate, rarely hemispheric, truncate at the base, the phyllaries in 3-8 series, stiff, imbricated, unequal. Receptacle flat or slightly convex, usually glabrous. Corollas lavender-pink or white, homogamous, bilabiate with the outer three lobes fused into a ligule and the inner two lobes shorter, separate. Achenes linear-cylindric to fusiform, inconspicuously ribbed. Pappus of scabrous setae in 1-2 (sometimes partly in 3) series. Pollen tricorporate, spherical to slightly prolate, surface smoothly reticulate.

Type species: *Acourtia formosa* D. Don

Our studies indicate that the genus contains the following 41 species.

- Acourtia alamanii* (DC.) Reveal & King, comb. nov., based on *Dum-
erilia alamanii* DC., Prodr. 7:67. 1838.
- Acourtia alamanii* (DC.) Reveal & King var. *adnata* (A. Gray) Reveal
& King, comb. nov., based on *Perezia adnata* A. Gray, Smith-
sonian Contr. Knowl. 3(5):127. 1852.
- Acourtia arachnolepis* (Robins.) Reveal & King, comb. nov., based
on *Perezia arachnolepis* Robins., Proc. Amer. Acad. Arts 43:
47. 1907.
- Acourtia aspera* (Bacig.) Reveal & King, comb. nov., based on *Per-
ezia aspera* Bacig., Contr. Gray Herb. 97:18. 1931.
- Acourtia carpholepis* (A. Gray) Reveal & King, comb. nov., based
on *Perezia carpholepis* A. Gray, Proc. Amer. Acad. Arts 19:
60. 1883.
- Acourtia coulteri* (A. Gray) Reveal & King, comb. nov., based on
Perezia coulteri A. Gray, Proc. Amer. Acad. Arts 15:40. 1880.
- Acourtia cuernavacana* (Robins. & Greenm.) Reveal & King, comb.
nov., based on *Perezia cuernavacana* Robins. & Greenm., Proc.
Amer. Acad. Arts 32:50. 1896.
- Acourtia dissiticeps* (Bacig.) Reveal & King, comb. nov., based on
Perezia dissiticeps Bacig., Contr. Gray Herb. 97:17. 1931.
- Acourtia dugesii* (A. Gray) Reveal & King, comb. nov., based on
Perezia dugesii A. Gray, Proc. Amer. Acad. Arts 19:60. 1883.
- Acourtia dugesii* (A. Gray) Reveal & King var. *pilulosa* (Bacig.)
Reveal & King, comb. nov., based on *Perezia dugesii* var.
pilulosa Bacig., Contr. Gray Herb. 97:19. 1931.
- Acourtia erioloma* (Blake) Reveal & King, comb. nov., based on *Per-
ezia erioloma* Blake, Proc. Biol. Soc. Wash. 55:118. 1942.
- Acourtia formosa* D. Don, Trans. Linn. Soc. London 16:204. 1830.
- Acourtia glomeriflora* (A. Gray) Reveal & King, comb. nov., based
on *Gochnatia glomeriflora* A. Gray, Proc. Amer. Acad. Arts
19:57. 1883.
- Acourtia grandifolia* (S. Wats.) Reveal & King, comb. nov., based
on *Perezia grandifolia* S. Wats., Proc. Amer. Acad. Arts 25:
156. 1890.

- Acourtia herbeclada* DC., Prodr. 7:66. 1838.
- Acourtia hooveri* (McVaugh) Reveal & King, comb. nov., based on *Perezia hooveri* McVaugh, Contr. Univ. Michigan Herb. 9:466. 1972.
- Acourtia lepidopoda* (Robins.) Reveal & King, comb. nov., based on *Perezia lepidopoda* Robins., Proc. Amer. Acad. Arts 43:47. 1907.
- Acourtia lobulata* (Bacig.) Reveal & King, comb. nov., based on *Perezia lobulata* Bacig., Contr. Gray Herb. 97:16. 1931.
- Acourtia longifolia* (Blake) Reveal & King, comb. nov., based on *Perezia longifolia* Blake, J. Wash. Acad. Sci. 18:36. 1928.
- Acourtia lozanii* (Greenm.) Reveal & King, comb. nov., based on *Perezia lozanii* Greenm., Proc. Amer. Acad. Arts 41:268. 1905.
- Acourtia michoacana* (Robins.) Reveal & King, comb. nov., based on *Perezia michoacana* Robins., Proc. Amer. Acad. Arts 27:179. 1892.
- Acourtia microcephala* DC., Prodr. 7:66. 1838.
- Acourtia montana* (Rose) Reveal & King, comb. nov., based on *Perezia montana* Rose, Contr. U.S. Natl. Herb. 1:105. 1891.
- Acourtia montana* (Rose) Reveal & King var. *intermedia* (Bacig.) Reveal & King, comb. nov., based on *Perezia montana* var. *intermedia* Bacig., Contr. Gray Herb. 97:19. 1931.
- Acourtia nana* (A. Gray) Reveal & King, comb. nov., based on *Perezia nana* A. Gray, Mem. Amer. Acad. Arts II, 4:111. 1849.
- Acourtia nelsonii* (Robins.) Reveal & King, comb. nov., based on *Perezia nelsonii* Robins., Proc. Amer. Acad. Arts 35:342. 1900.
- Acourtia oxylepis* (A. Gray) Reveal & King, comb. nov., based on *Perezia oxylepis* A. Gray, Proc. Amer. Acad. Arts 15:41. 1880.
- Acourtia palmeri* (S. Wats.) Reveal & King, comb. nov., based on *Perezia palmeri* S. Wats., Proc. Amer. Acad. Arts 24:58. 1889.
- Acourtia parryi* (A. Gray) Reveal & King, comb. nov., based on *Perezia parryi* A. Gray, Proc. Amer. Acad. Arts 15:40. 1880.
- Acourtia patens* (A. Gray) Reveal & King, comb. nov., based on *Perezia patens* A. Gray, Smithsonian Contr. Knowl. 3(5):127. 1852.

- Acourtia pinetorum* (Brandeg.) Reveal & King, comb. nov., based on *Perezia pinetorum* Brandeg., Zoe 5:105. 1901.
- Acourtia platyphylla* (A. Gray) Reveal & King, comb. nov., based on *Perezia platyphylla* A. Gray, Mem. Amer. Acad. Arts II, 4: 111. 1849.
- Acourtia platyptera* (Robins.) Reveal & King, comb. nov., based on *Perezia platyptera* Robins., Proc. Amer. Acad. Arts 44:626. 1909.
- Acourtia pringlei* (Robins. & Greenm.) Reveal & King, comb. nov., based on *Perezia pringlei* Robins. & Greenm., Proc. Amer. Acad. Arts 29:388. 1894.
- Acourtia purpusii* (Brandeg.) Reveal & King, comb. nov., based on *Perezia purpusii* Brandeg., Univ. Calif. Publ. Bot. 4:194. 1911.
- Acourtia reticulata* (Lag. ex D. Don) Reveal & King, comb. nov., based on *Proustia reticulata* Lag. ex D. Don, Trans. Linn. Soc. London 16:200. 1830.
- Acourtia rigida* DC., Prodr. 7:66. 1838.
- Acourtia rigida* DC. var. *acuminata* (Bacig.) Reveal & King, comb. nov., based on *Perezia rigida* var. *acuminata* Bacig., Contr. Gray Herb. 97:19. 1931.
- Acourtia rigida* DC. var. *linearifolia* (Bacig.) Reveal & King, comb. nov., based on *Perezia rigida* var. *linearifolia* Bacig., Contr. Gray Herb. 97:18. 1931.
- Acourtia seemanii* (A. Gray) Reveal & King, comb. nov., based on *Perezia seemanii* A. Gray, Smithsonian Contr. Knowl. 3(5): 127. 1852.
- Acourtia simulata* (Blake) Reveal & King, comb. nov., based on *Perezia simulata* Blake, J. Wash. Acad. Sci. 33:272. 1943.
- Acourtia thurberi* (A. Gray) Reveal & King, comb. nov., based on *Perezia thurberi* A. Gray, Mem. Amer. Acad. Arts II, 5:324. 1854.
- Acourtia thyrsoides* (Gray in Torr.) Reveal & King, comb. nov., based on *Perezia thyrsoides* Gray in Torr., Rept. U.S. Mex. Bound. Surv. 2:104. 1859.
- Acourtia tomentosa* (Brandeg.) Reveal & King, comb. nov., based on *Perezia tomentosa* Brandeg., Zoe 5:258. 1908.

Acourtia turbinata (Lalave & Lex.) Reveal & King, comb. nov., based on *Perezia turbinata* Lalave & Lex., Nov. Veg. Descr. 1:25. 1824.

Acourtia wislizenii (A. Gray) Reveal & King, comb. nov., based on *Perezia wislizenii* A. Gray, Mem. Amer. Acad. Arts II, 4:111. 1849.

Acourtia wislizenii (A. Gray) Reveal & King var. *megacephala* (A. Gray) Reveal & King, comb. nov., based on *Perezia wislizenii* var. *megacephala* A. Gray, Proc. Amer. Acad. Arts 22:433. 1887.

Acourtia wrightii (A. Gray) Reveal & King, comb. nov., based on *Perezia wrightii* A. Gray, Smithsonian Contr. Knowl. 3(5): 127. 1852.

Acknowledgments

This study was supported in part by National Science Foundation grants GB-22645 (Reveal) and GB-20502 (King). We wish to thank H. Robinson for his many helpful suggestions and comments.

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